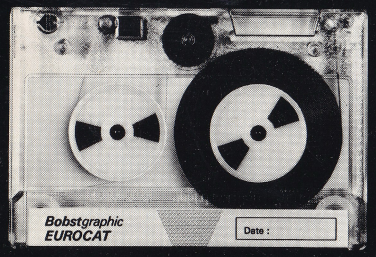
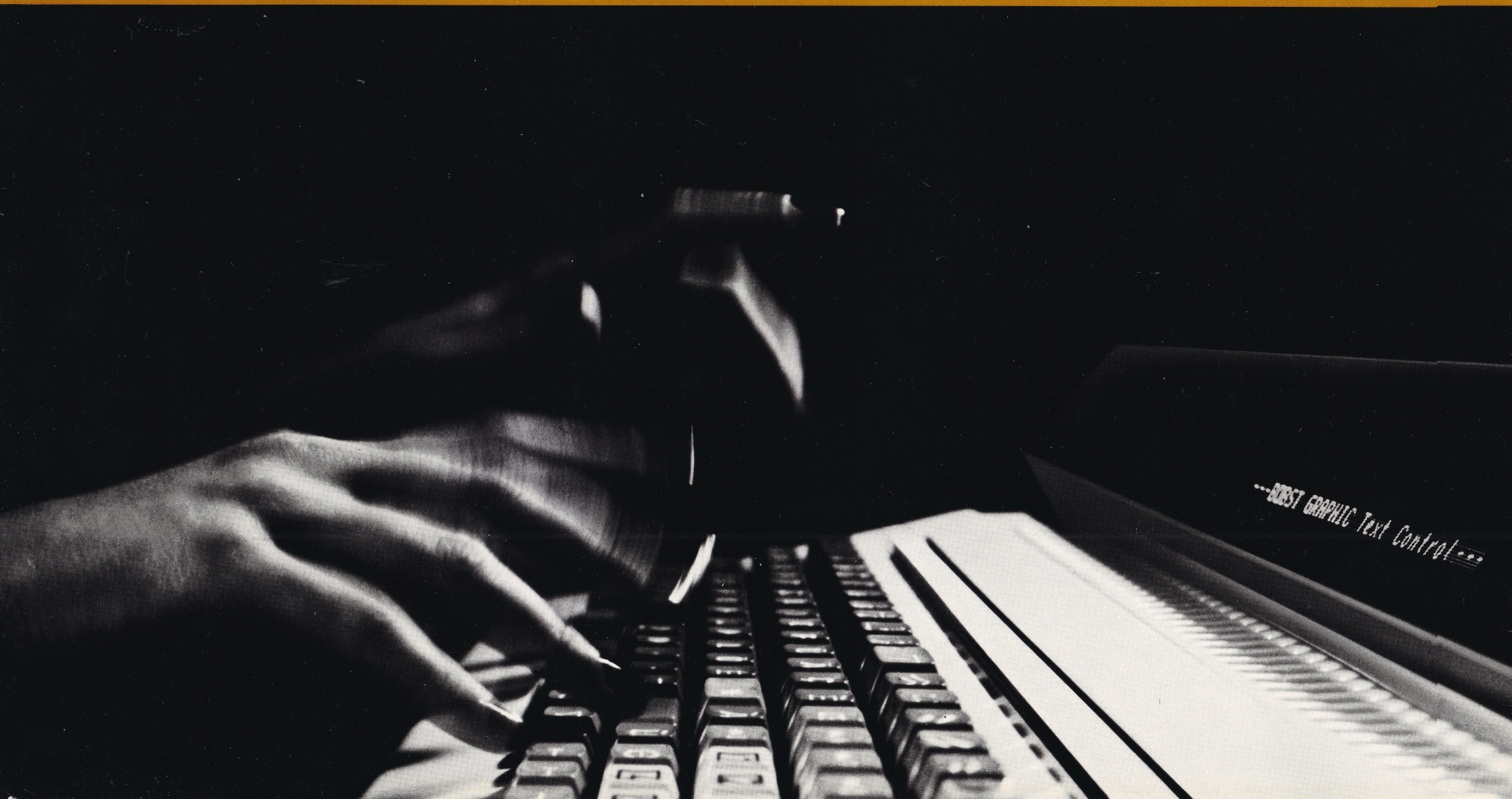


Keyset

Bobstgraphic Eurocat



"Non-counting" keyboard
with magnetic tape cassettes

Keyset data capturing unit...

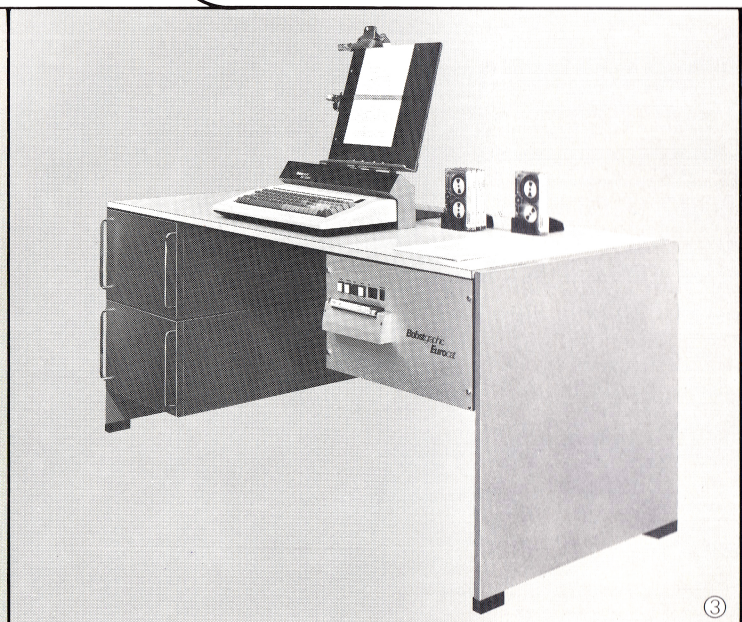
...giving worth-while advantages!

In photocomposition, the use of magnetic tape cassettes for data storage gives decisive advantages:
– large quantities of information stored in a small space;
– operations performed at high speed;
– manual work simplified.
With the Eurocat photocomposition system developed by Bobst Graphic, all operations, from data capture to automatic operation of the photo unit, including text processing and corrections, are performed with the aid of magnetic tape cassettes. This system of data storage speeds up text processing and increases the overall efficiency of the system, leading to higher productivity. At the data capture stage the advantages inherent in this system enable the reliability, the security and the speed, which are essential for any photocomposing business wishing to stay competitive, to be realized. Working conditions are vastly improved by the absence of noise and dust, one of the main features characterizing the use of magnetic tape.
Data capture is achieved using a non-counting keyboard feeding a cassette data recorder. The last 32 characters typed on the keyboard are displayed continuously on a screen, enabling the operator to check his work as he goes along and to carry out any corrections necessary.
Keying in the data to the tape is an important link in the chain of tape-controlled photocomposing operations. This is why the concentration of the operator must not be interrupted by the need to perform distracting, superfluous manipulations. This vital consideration underlies the design of the KEYSET unit, enabling the operator to use his skill and speed to the maximum. To simplify

②

1. *Key colour coding:*
   Grey keys: characters
   Blue keys: typographical commands
   Yellow keys: programmable multicodes
   Red keys: commands to data recorder
2. *Attractive keyboard and display layout*
3. *A self-contained data capture desk*
4. *Clear, plain display of last 32 characters*
5. *More than 1000 signs inserted by pressing a single key.*
6. *The cassette; high-capacity, reliable data-storage*
7. *A logically planned, accessible control panel*

①



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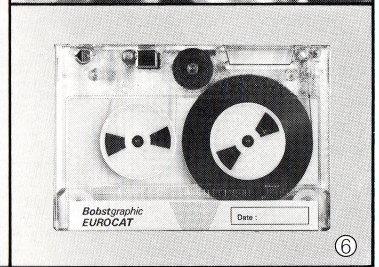
⑤



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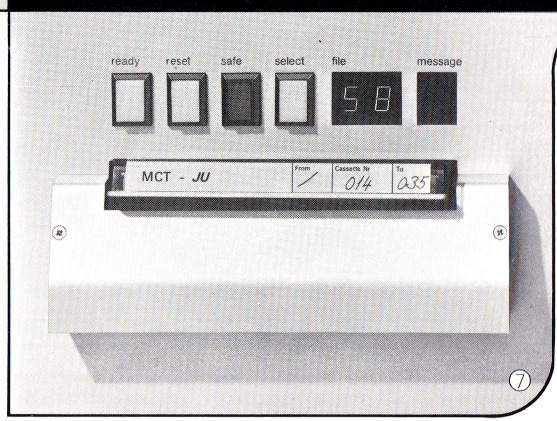

⑦

and speed up text production even more, Bobst Graphic have provided the keyboard with 6 special programmable keys. These keys enable frequently recurring words, groups of words or functions to be memorized and inserted into the text where necessary during the typing operation. The capacity of this muticode function is more than 1000 signs for all six keys.
After finishing the assignment, the operator can initialise the tape for the start of the next job by pressing a key and therefore no rewinding is necessary.
The keyboard is provided with signalling lights which indicate the last code typed and the fount in use at any time.
Anti-double hit interlock has been introduced with one aim in mind: faster, more reliable production.

The KEYSET data capturing unit, in its simplest form, comprises a keyboard with small display screen and a cassette data recorder. Beginning with this initial equipment, output can be increased to keep in step with the development of the photocomposition department, as the basic electronic unit can handle the work performed on four separate keyboards, each linked to a cassette drive unit.

The individual components of the data capturing unit can be separated if required, so that the greatest possible installation flexibility is obtained, with each component placed at the convenience of the operator. In the arrangement adopted by Bobst Graphic, all components are built into the operating desk; this is the most favourable configuration, in the majority of cases, for achieving optimum efficiency and smooth production at the data capture stage.

A functional KEYBOARD

The keyboard is used by the operator for keying in the text, the commands to the photocomposition unit and all subroutines. The keys are arranged logically, to help memorization of their positions and the keyboard is slightly tilted to give a clear overall view. The groups of keys for text, commands and multicodes are colour-coded for easy identification.
6 special, programmable keys are provided to increase operating speed still further. For example, the name "Dag Hammerskjöld" can be assigned to the key (1). When typing the text, each time this name appears the key (1) is pressed and the complete block is recorded on the tape.

Binary code signalling lights, placed on the left on the keyboard, indicate continuously the signs keyed; the operator thus has a double check on, for example, the last code typed.

TEXT DISPLAY
helps eliminate errors

During keying, the last 32 characters keyed in are displayed continuously, passing across the screen from right to left, so that the operator can check his work before it is recorded on the magnetic tape. Corrections may be made if necessary, and in this case a buffer storage is provided to avoid data blanks on the tape. The text is displayed with both capitals and non-capitals appearing as typed. The screen may be switched off if not needed.
The location and inclination of the screen, right above the keyboard, contribute to clear unambiguous text display and readability.

A reliable, versatile data RECORDER

All commands keyed in from the keyboard are recorded on the magnetic tape in the cassette.
A simple, mechanical tape drive is employed, resulting in total reliability.
The electronic unit can handle the output of up to four keyboards and performs the following functions:
- tape search, to find a "blank" stretch of tape for the new text, and to record the appropriate file number;
- program signalling; any error state is indicated to the operator by signalling lights;
- control of the 6 programmable keys.

Modular circuitry is used, ensuring flexibility, reliability and easy maintenance.

Specifications

General

Keyboard:
94 keys representing single or multicodes and including 6 programmable keys. Indication of the last code keyed in
Indication of the fount in use
Anti-double-hit interlock

Display system:
32 characters displayed
5 × 7 dot matrix
196 keyboard symbols available

Data recorder:
Standard 3M data recorder for magnetic tape cassettes.
Transfer rate: 2800 characters per sec
Cassette capacity: up to 760 000 codes corresponding to approx. 600 000 text characters 6, 7 or 8 channel codes – 3 access levels.
Size of cassette: 15,3 × 10.2 × 1.7 cm

Mechanical

Keyboard:
Surface 23.5 × 49.5 cm, Height 8.5 cm, Weight 4 kg

Display:
Casing: 20 × 50 cm, Height 14 cm
Screen: 8 × 49.5 cm, Height 8 cm
Weight approx. 10 kg

Data recorder:
58 × 51 cm, Height 22 cm (simple version)
Desk top: 160 × 68 cm

Power requirements

220 V ± 10% – 50-60 c/s – 400 VA

Environment

Temperature range: 5-40 °C
Relative humidity range: 20-80% no condensation

Configurations

KEYSET 030
Data capturing unit comprising a keyboard, a text display screen and a control unit with cassette drive.

KEYSET 030-L
As KEYSET 030 but in desk form.

KEYSET 040
Double data capturing unit comprising 2 keyboards, 2 text display screens, a control unit and 2 cassette drives.

KEYSET 040-L
As KEYSET 040 but in desk form.

● For production of punched paper tapes, KEYSET models 010 and 020 are available on request.

Set your future with
Bobstgraphic
Photocomposition *Switzerland*

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